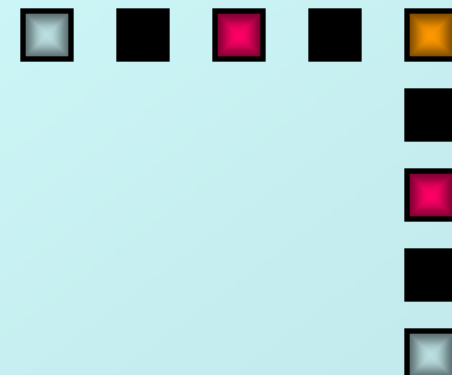


PHENIX WEEKLY PLANNING

5/31/2007

Don Lynch



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●	Next Maintenance Day	6/6 or 6/13/07?
●	MuTr FEE chip capacitor rmvl	6/6 or 6/13/07
●	End of Run Party	6/29/07
●	Start Shutdown 2007	7/2/07
●	Remove HBD East	7/16/07
●	MPC South remove for upgrade	7/20/07
●	<i>[this space available]</i>	x/xx/xx
●		
●		
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Schedule

Next Maintenance Day: June 6 or 13 2007

June 6 or 13?:

MuTr Capacitor De-Capitations?
HBD resistor adjustments?

Get requests in early, especially if work permit
required

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RPC Factory

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Tent, lots of tables, jib crane and shelves from 905 are available and ready to be moved.

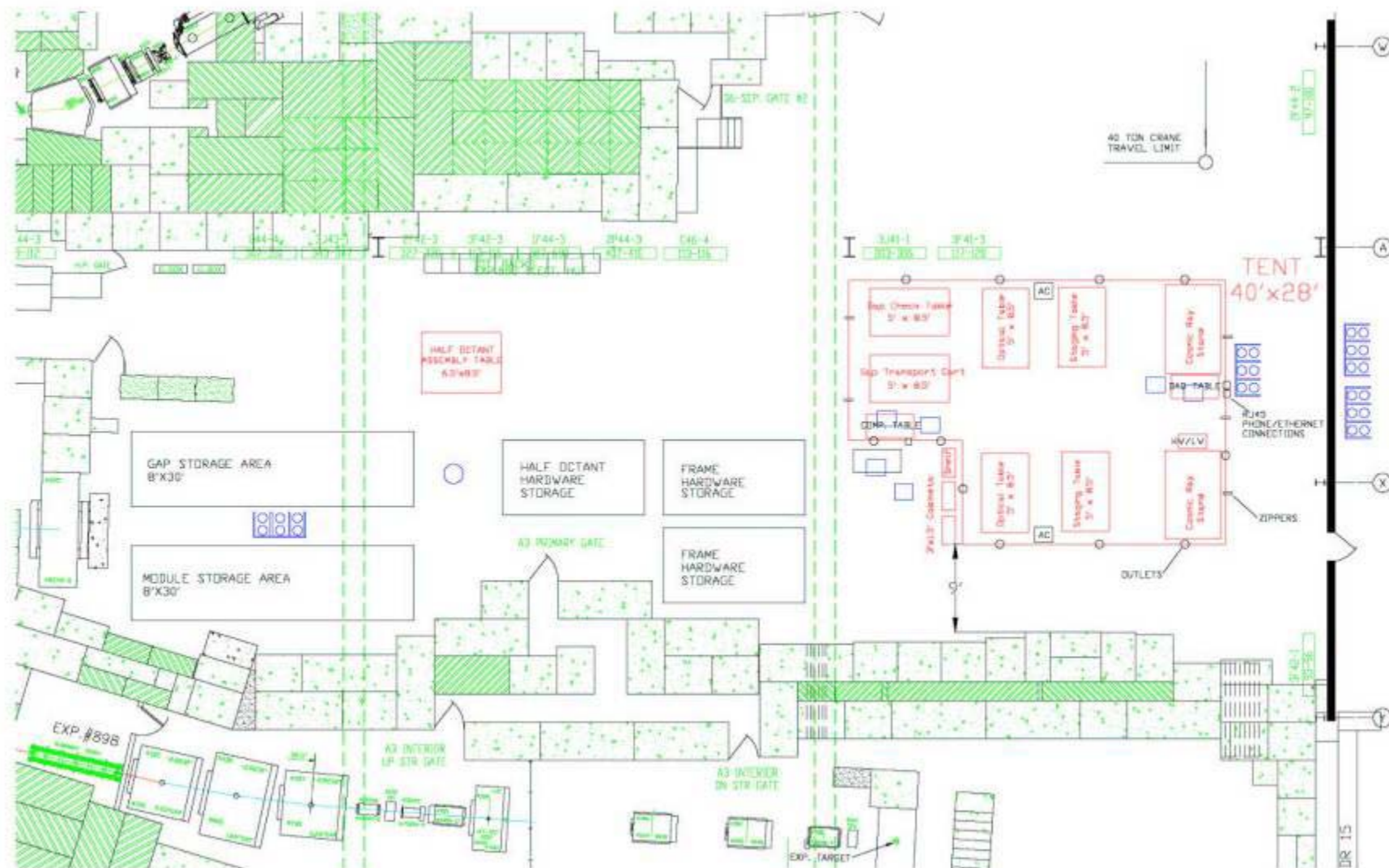
Asked Charlie for "guidance" on setting up tent and moving equipment to 912.

Waiting for Minutes & Action Items from Yousef.

Waiting for RPC Factory "Management Team" to arrive.

RPC Assembly "Factory" at BNL

Technical Support 2007



Equipment

- Tent** (Gap Testing, Module Assembly, Cosmic Ray Test), (existing from PHENIX PC w/ sealed lights and HEPA filters)
- 2 ~9000 btu/hr AC's (portable or window type)
 - 1 Gap Check Table ~5' x 8.5'
 - 2 Staging Tables ~5' x 8.5'
 - 2 optical Tables ~5' x 8.5' for module assembly
 - HV/LV Crate & Electronics
 - DAQ Table ~3.5' x 5' holds DAQ Computer, CAMMAC & NIM Crate
 - 2 Cosmic Ray Test stands ~6' x 9'
 - 1 Computer Desk for data analysis computer ~3' x 4'
 - 2 Phone/ethernet connections for DAQ and computer desks
 - 12 110V duplex outlets on 4-6 20 amp circuits (4-15 amp, 2-20 amp?)
 - 1 Rolling transport table ~5'x8' to move gaps & modules in tent & to storage
 - ~ 4 chairs, 2 for each desk
 - Book shelf

Equipment

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- **Outside of Tent**
 - Storage racks for gaps, modules, raw materials & fabricated frame details
 - Interior racks for test gases (near tent 2 R-134A, 1 SF6, 1 isopropane)
 - Half octant assembly table
 - $\frac{1}{2}$ ton-1 ton jib crane/A-Frame hoist for half octant ass'y area
 - Tech area:
 - Desk & chairs
 - Hardware & tool cabinets (lockable)
 - Phone & internet (shared with tent computer)
 - Book shelf
 - File cabinet (lockable)
- **Outside of Building 912**
 - Storage racks for spare and empty gas bottles
 - Area for N2 buggy
- **Utilities**
 - Electric, phone and internet
 - N2 gas lines from buggy to gap & module storage areas

Equipment (Not in Layout)

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- Security & Safety
 - Barriers (To Be Defined)
 - SF6/R134A detector
- Housekeeping & Misc.
 - Trash cans (2)
 - Water (Drinking)
 - Vacuum
 - Printer
 - Webcam (2?)
 - Weather station?
 - Portable ladder
 - Hand tools, portable electronic tools, etc.

Last week there were 50 active procedures to be evaluated.

This week added 3 for HBD and 2 for TOF west

Subdivided into 3 groups:

- Gas System Procs (21) Rob to review
- Elect System Procs (21) Paul to review
- Mech System Procs (13) Don to review

Of the 55 remaining active procedures 16 were evaluated this week:

- 4 more procedures determined inactive
- 6 were found to be up to date without change
- 6 were found to require minor effort to bring up to date
(e.g. need approval signatures)
- 39 not yet evaluated

Efforts continue

All training records gathered for PHENIX technical staff techs and engineers.

Cannot change JTA's yet because of inconsistencies in JTA's and Equivalencies.

Visual Basic/Excel program written to analyze individual records

This effort c

Nothing New

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2007 Summer Shutdown Schedule

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<u>Item</u>	<u>Start</u>	<u>Complete</u>
RPC Factory set up	5/15	2011?
HBD West repair	4/26	9/14
End of Run 7	6/29	6/29
EOR Party	6/29	6/29
Flammable Gas Purge	6/29	7/2
Open Rolling Wall and Disassemble	7/2	7/9
MuID collar removal, MMS move S.	7/9	7/9
Disconnect EC and Move to AH	7/10	7/16
RPC Engineers coordination visit	7/16	7/26
Reconnect EC for maintenance in AH	7/16	7/23
Move MuID collar to AH	7/16	7/16
Install IR floor plates, rolling cart & move manlift to IR	7/17	7/18
Install CM access ladder	7/18	7/18
Remove HBD East	7/19	7/19
Remove MPC South	7/20	7/20
MPC South upgrade/ bench tests	7/23	8/13
Move CM south	7/23	7/23
Remove SouthEast Vertical Lampshade	7/24	7/24
Remove MPC North	7/25	7/30
MPC North upgrade/bench tests	7/30	8/6

2007 Summer Shutdown Schedule (cont'd)

<u>Item</u>	<u>Start</u>	<u>Complete</u>
MuTr Capacitor Decapitation	7/25	8/31
Reinstall MPC North	8/6	8/13
Move CM North	8/13	8/13
Reinstall MPC South	8/13	8/20
Repair RXNP Phototube	8/13	8/20
Install CM Crane	8/20	9/3
Misc. Subsystem Maint./repair/Upgrade	7/16	10/1
Misc. Infrastructure Improvements	7/16	10/1
MuTr FEE Prototype (Sta. 2N lwr oct.)	9/3	9/28
HBD West Mechanical/Gas Reinstall	9/17	9/24
HBD EAST Mechanical/Gas Reinstall	9/24	10/1
HBD Electrical Reinstall	9/17	10/8
EC Roll In	10/8	10/10
DC East repair	10/11	10/12
HBD/MPC/Other TBD Commissioning	10/1	10/31
Start of Run 8	11/1	11/1

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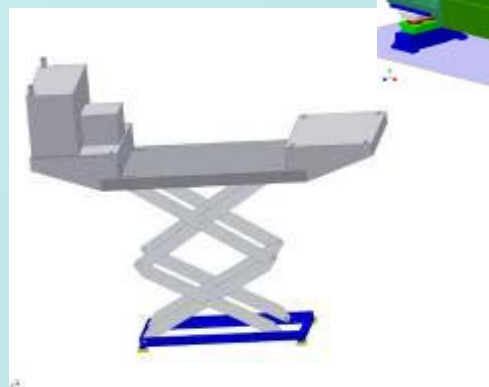
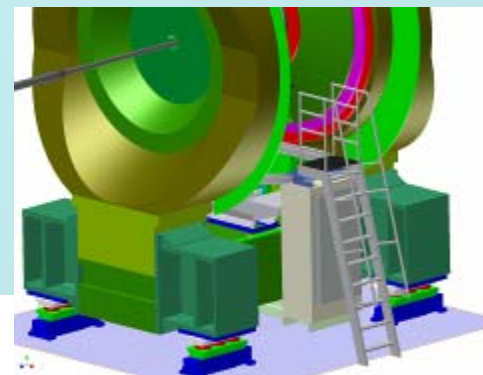
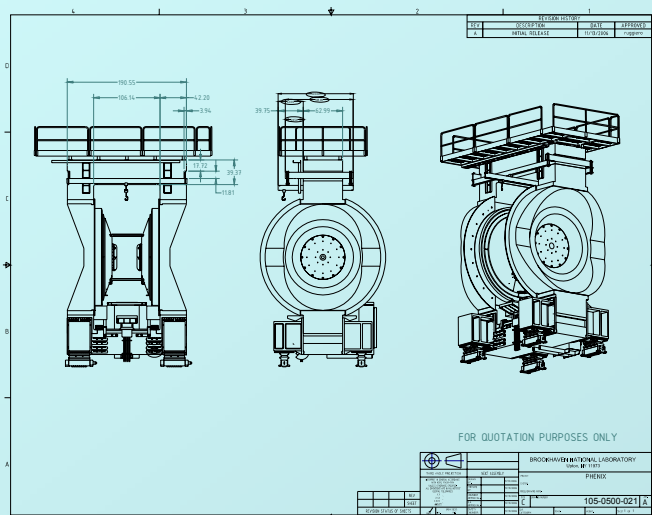
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| 2007 | HBD Repairs, DC (minor) repairs), MPC N&S upgrade, MuTr FEE upgrade prototype, infrastructure upgrades & repairs, misc. subsystem work |
| 2008 | MuTr FEE upgrades 1 octant 1&2 S, Cu absorber test, RPC3 S, infrastructure upgrades & repairs, misc. subsystem work |
| 2009 | Scaffolding in MMS and MMN, MuTr FEE N&S stn. 2 & 3, MuTr N&S stn. 2 & 3 repairs, RPC2 S&N, RPC3 N, Cu absorbers, infrastructure upgrades & repairs, misc. subsystem work |
| 2010 | Remove HBD & RXNP, remove beampipe, DC West upgrade, VTX barrel, RPC1 N&S, MuTr FEE stn. 1 N&S, MuTr stn. 1 N&S repairs, infrastructure upgrades & repairs, misc. subsystem work |
| 2011 | NCC S, FVTX, infrastructure upgrades & repairs, misc. subsystem work |
| 2012 | NCC N, upgrades contingency & wishlist, infrastructure upgrades & repairs, misc. subsystem work |

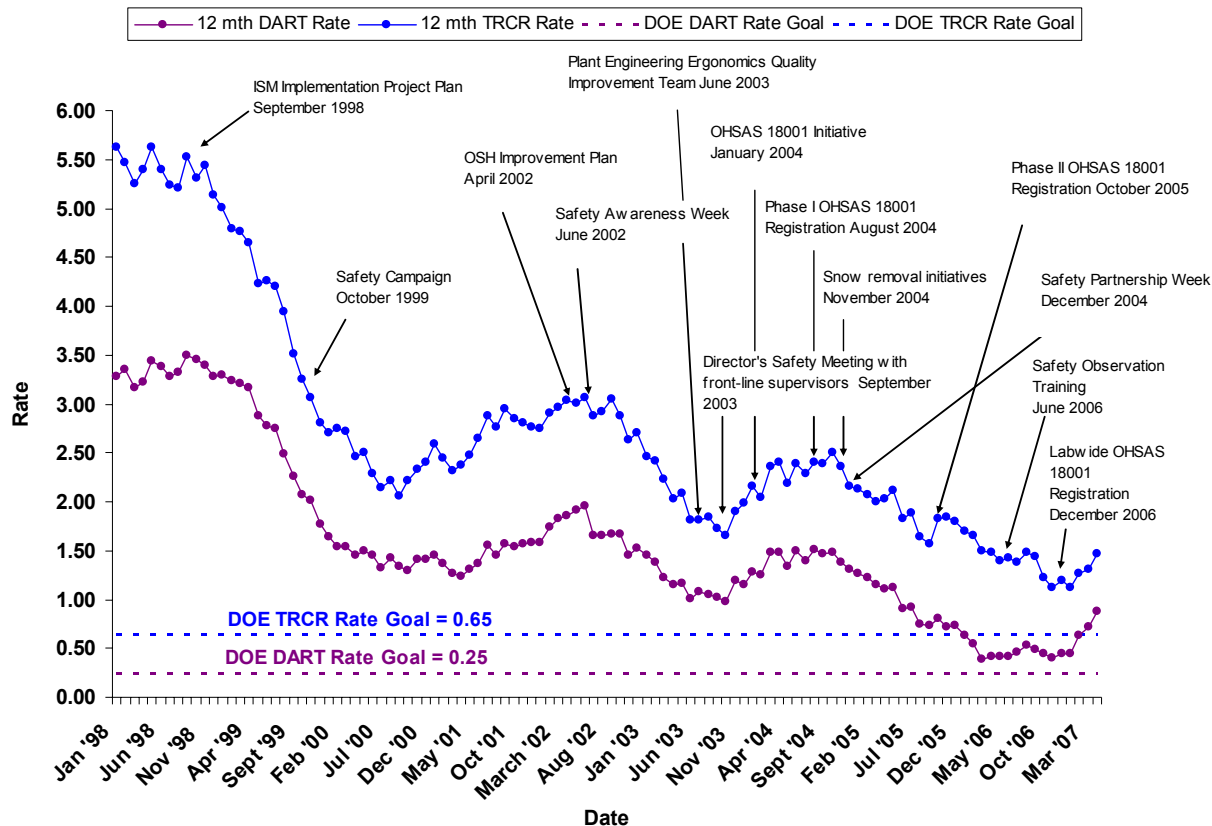
** Years refer to the shutdown year and follow the run with the similar number (i.e. work in 2007 is to be done in the shutdown that follows run 7, and so on)*



- Empty and discard old container
- VTX chiller test: *Done*
- New Crane: rec'd estimate ~\$7K (1 ton)
~\$9K (2 ton)
- Stairway to HBD rec'd estimate ~\$ 2K
- NCC Electronics
- CM Extension Step



12 Month Rolling Averages CY98 - Present



DART Cases This Year

11 involve back/shoulder injuries from lifting/carrying

2 were running

2 were ladders

1 reaction to mold

1 bookcase fell

1 hand caught

This year's DART cases

- 11 involve back/shoulder injuries from lifting/carrying
- 2 were running
- 2 were ladders
- 1 reaction to mold
- 1 bookcase fell
- 1 hand caught

These could happen to
anyone, anywhere

Where To Find PHENIX Technical Info

TECHNICAL SUPPORT 2007



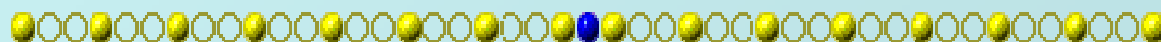
It's almost June!

June Lockhart
(w/ Lassie)



The June Tree
By Natasha Wescoat

Links for the weekly planning meeting slides, long term planning, pictures, videos and other technical info can be found on the web site:



http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL_SSint-page.htm